

**§ 145.79 Records and reports.**

(a) Each certificated foreign repair station shall maintain such records, and make such reports, with respect to United States registered aircraft, as the Administrator finds necessary, including those prescribed in paragraphs (b) and (c) of this section.

(b) Each certificated foreign repair station shall keep a record of the maintenance and alteration it performs on United States registered aircraft, in enough detail to show the make, model, identification number, and serial number of the aircraft involved, and a description of the work. In a case of major repairs or major alterations, or both, it shall report on a form and in a manner prescribed by the Administrator, giving the original copy to the aircraft owner and sending a copy to the Administrator through the FAA office having jurisdiction over the station. However, if a major repair or alteration is made on a United States scheduled flag air carrier aircraft, the report may be made in the log or other record provided by the carrier for that purpose. Upon request, the station shall make all of its maintenance and alteration records available to the Administrator.

(c) Each certificated foreign repair station shall, within 72 hours after it discovers any serious defect in, or other recurring unairworthy condition of, any aircraft, powerplant, propeller, or any component of any of them, that it works on under this part, report that defect or unairworthy condition to the Administrator.

(d) The holder of a foreign repair station certificate that is also the holder of a Type Certificate (including a Supplemental Type Certificate), a Parts Manufacturer Approval (PMA), or a TSO authorization or that is the licensee of a Type Certificate need not report a failure, malfunction, or defect under this section if the failure, malfunction, or defect has been reported by it, under §21.3 of this chapter or §37.17 of this chapter.

[Doc. No. 1157, 27 FR 6662, July 13, 1962, as amended by Amdt. 145-9, 35 FR 3155, Feb. 19, 1970; Amdt. 145-13, 35 FR 18189, Nov. 28, 1970]

**Subpart D—Limited Ratings for Manufacturers**

AUTHORITY: Secs. 313(a), 601, 602, 605, and 607, 72 Stat. 752; 49 U.S.C. 1354(a), 1421, 1422, 1425, and 1427.

SOURCE: Docket No. 1221, 31 FR 5249, Apr. 1, 1966, unless otherwise noted.

**§ 145.101 Application and issue.**

(a) Upon application in a form and manner prescribed by the Administrator, a repair station certificate with a limited rating for a manufacturer may be issued without further showing to—

(1) The holder or licensee of a Type Certificate who has an approved production inspection system;

(2) The holder of a Production Certificate;

(3) Any person who meets the requirements of §21.303 of this chapter, and has the prescribed Fabrication Inspection System; and

(4) The holder of a Technical Standard Order (TSO) authorization.

(b) Limited ratings are issued under paragraph (a) of this section for—

(1) Aircraft manufactured by the holder of the rating under a Type Certificate or a Production Certificate;

(2) Aircraft engines manufactured by the holder of the rating under a Type Certificate or a Production Certificate;

(3) Propellers manufactured by the holder of the rating under a Type Certificate or a Production Certificate;

(4) Appliances manufactured by the holder of the rating (i) under a Type Certificate, (ii) under a Production Certificate, (iii) under a TSO authorization, or (iv) in accordance with §21.303 of this chapter; and

(5) Parts manufactured by the holder of the rating under a TSO authorization or in accordance with §21.303 of this chapter.

**§ 145.103 Privileges of certificates.**

(a) The holder of a repair station certificate issued under this subpart may maintain and approve for return to service any article for which it is rated, and perform preventive maintenance on that article, if certificated mechanics or repairmen are employed directly in charge of the maintenance and preventive maintenance.

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(b) The privileges granted under this section apply to any location or facility unless the certificate limits the holder to specific locations or facilities.

### § 145.105 Performance standards.

Except as provided in §145.2, each holder of a certificate issued under this subpart shall perform its maintenance and preventive maintenance operations in accordance with part 43 of this chapter.

[Amdt. 145-7, 31 FR 10614, Aug. 9, 1966]

#### APPENDIX A TO PART 145

NOTE: When an asterisk (\*) is shown after any job function listed in this appendix it indicates that the applicant need not have the equipment and material on his premises for performing this job function provided he contracts that particular type work to an outside agency having such equipment and material.

(a) An applicant for a Class 1, 2, 3, or 4 airframe rating must provide equipment and material necessary for efficiently performing the following job functions:

(1) Steel structural components:

Repair or replace steel tubes and fittings using the proper welding techniques when appropriate.

Anticorrosion treatment of the interior and exterior of steel parts,

Metal plating or anodizing\*,

Simple machine operations such as making bushings, bolts, etc.,

Complex machine operations involving the use of planers, shapers, milling machines, etc.\*,

Fabricate steel fittings,

Abrasive air blasting and chemical cleaning operations\*,

Heat treatment\*,

Magnetic inspection\*,

Repair or rebuilt metal tanks\*.

(2) Wood structure:

Splice wood spars,

Repair ribs and spars (wood),

Fabricate wood spars\*,

Repair or replace metal ribs,

Interior alignment of wings,

Repair or replace plywood skin,

Treatment against wood decay.

(3) Alloy skin and structural components:

Repair and replace metal skin, using power tools and equipment,

Repair and replace alloy members and components such as tubes, channels, cowlings, fittings, attach angles, etc.,

Alignment of components using jigs or fixtures as in the case of joining fuselage sections or other similar operations,

Make up wooden forming blocks or dies,

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Fluorescent inspection of alloy components\*,

Fabricate alloy members and components such as tubes, channels, cowlings, fittings, attach angles, etc.\*

(4) Fabric covering:

Repairs to fabric surfaces,

Recovering and refinishing of components and entire aircraft\*.

(5) Control systems:

Renewing control cables, using swaging and splicing techniques,

Rigging complete control system,

Renewing or repairing all control system hinge point components such as pins, bushings, etc.,

Install control system units and components.

(6) Landing gear systems:

Renew or repair all landing gear hinge point components and attachments such as bolts, bushings, fittings, etc.,

Overhaul and repair elastic shock absorber units,

Overhaul and repair hydraulic-pneumatic shock absorber units\*,

Overhaul and repair brake system components\*,

Conduct retraction cycle tests,

Overhaul and repair electrical circuits,

Overhaul and repair hydraulic system components\*,

Repair or fabricate hydraulic lines.

(7) Electric wiring systems:

Diagnose malfunctions,

Repair or replace wiring,

Installation of electrical equipment,

Bench check electrical components (this check is not to be confused with the more complex functional test after overhaul).

(8) Assembly operations:

Assembly of airframe component parts such as landing gear, wings, controls, etc.,

Rigging and alignment of airframe components, including the complete aircraft and control system,

Installation of powerplants,

Installation of instruments and accessories,

Assembly and fitting of cowling, fairings, etc.,

Repair and assembly of plastic components such as windshields, windows, etc.,

Jack or hoist complete aircraft.

Conduct aircraft weight and balance operations (this function will be conducted in draft-free area)\*,

Balance control surfaces.

(b) An applicant for any class of powerplant rating must provide equipment and material necessary for efficiently performing the following job functions appropriate to the class of rating applied for:

(1) Classes 1 and 2. (i) Maintain and alter powerplants, including replacement of parts: Chemical and mechanical cleaning, Disassembly operations,